



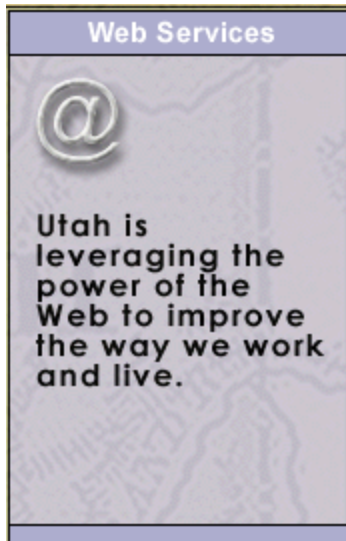
Securing Web Services

Web Services are Growing

- New Applications
- Additional Resources
- “Tons” of Data
- Easily Accessible – Real-time or near real-time

Technology is evolving rapidly to continue to allow us to provide new services in the web services area.

One of Satel’s goal’s is to help secure the infrastructure, technology and most importantly the data.



Web Services need to be secured



Ideas



Capital



Research



People



Business



Government

Utah must meet the challenge and be an example...

- Government Agencies must be an example
- Utah's Entrepreneurs must also shine in this area
-
- Information Security must be included at the early stage of the normal "Development Life Cycle"

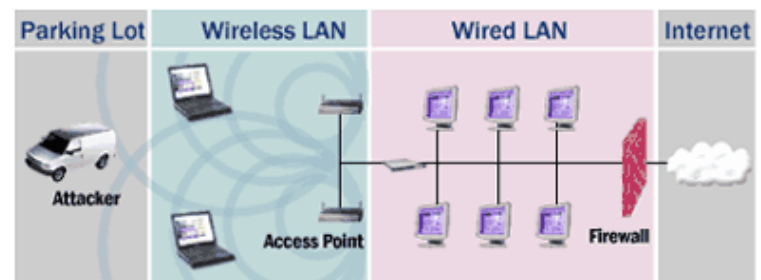


Security Demo

- Show NetStumbler
- Show the iPAQ
- AirSnort
- WepCrack
- WarDriving.com Website
- Wartytyping

MiniStumbler			
MAC	Chan	SSID	SNR
0090D100BF6C	11	WLAN	5
0090D100B93B	11	WLAN	
0090D100CC6F	11+	WLAN	10
0090D100BEC5	6	WLAN	
004033AFC3D1	10	Wireless	
0090D100CAA5	11	WLAN	17
0090D100BE02	1	WLAN	

Ready	3 Aps	GPS Off	7/7
File View Options			





TRUSTED SECURITY SOLUTIONS

ProActive Wireless Defenses

How to secure your wireless network

- 128 Bit WEP, WPA req. TKIP, EAP, Future AES
- No AP broadcasting
- Use MAC Authentication
- Implement Client VPN on Wireless clients
- Physically and Logically place AP on separate network
 - (Outside firewall)
- Routinely Search for Rogue devices
- Implement Wireless Intrusion Detection Sensors





TRUSTED SECURITY SOLUTIONS

Securing Web Services

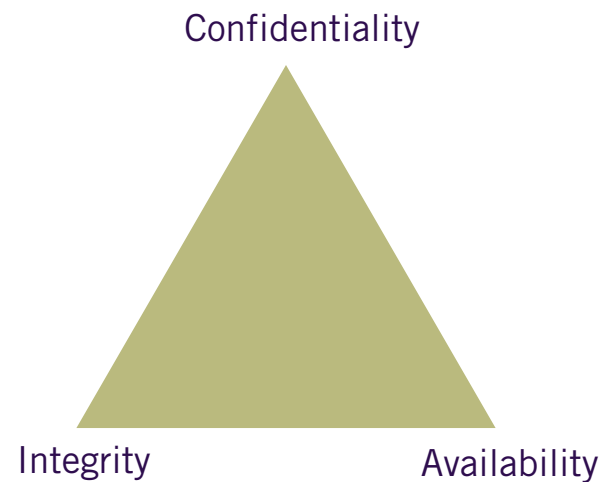
- ◉ Intrusion Detection and Intrusion Prevention
- ◉ Perimeter Security
 - ◉ Firewalls, Secured Routers, VPNS,
- ◉ Monitoring
 - ◉ Log reviews, System monitoring, Application logs
- ◉ Secure Infrastructure Design/Architecture
 - ◉ How to build a secure network
 - ◉ Separation of Duties
- ◉ IR Planning
 - ◉ Would you know what to do if your systems were compromised





Security Strategies

- Defense in Depth
- Principle of Least Privilege





What does Satel offer?

Enterprise Security Consulting

- Security “ThinkTank”
- Design and Architecture
- Implementation
- Audits
- Policies and Procedures
- Training

Managed Security Services

- Managed Firewall
- Managed Intrusion Detection
- A/V, Content and Spamming filters





TRUSTED SECURITY SOLUTIONS

Take The Challenge

Matt McClung
Director, Security Consulting
matt@satel.com

Shaun Carr
Sr. Security Consultant
shauncarr@satel.com

584-6600

